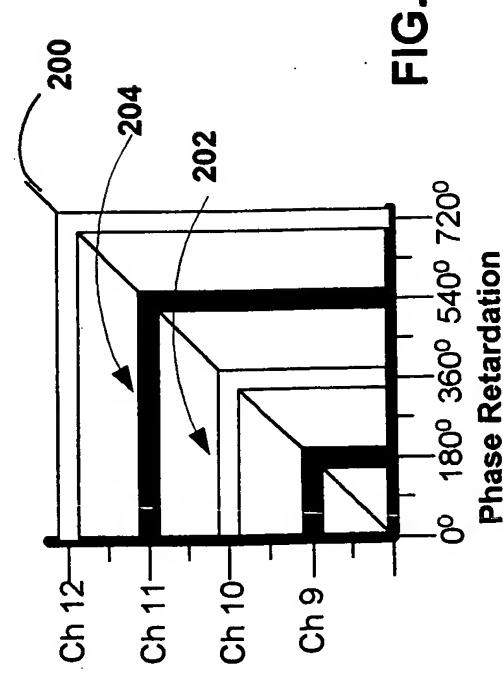


OPTICAL MUX/DEMUX



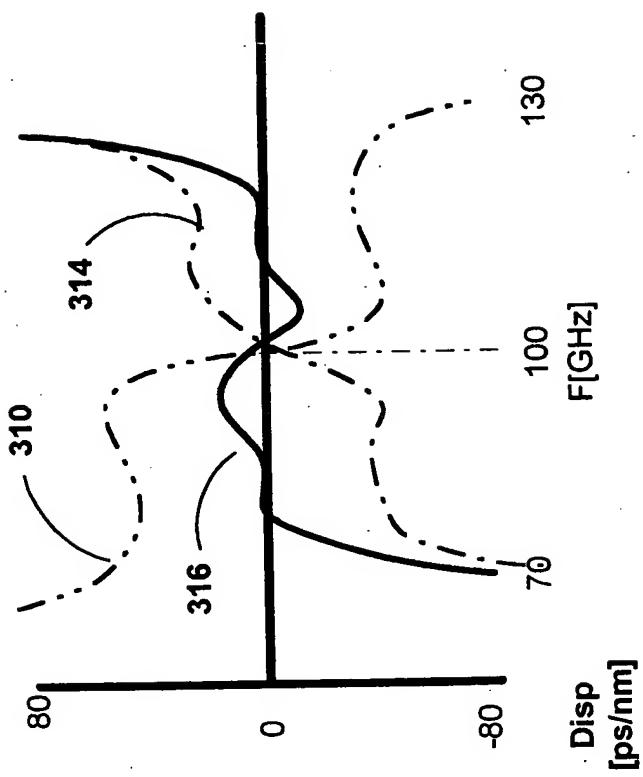


FIG. 3B

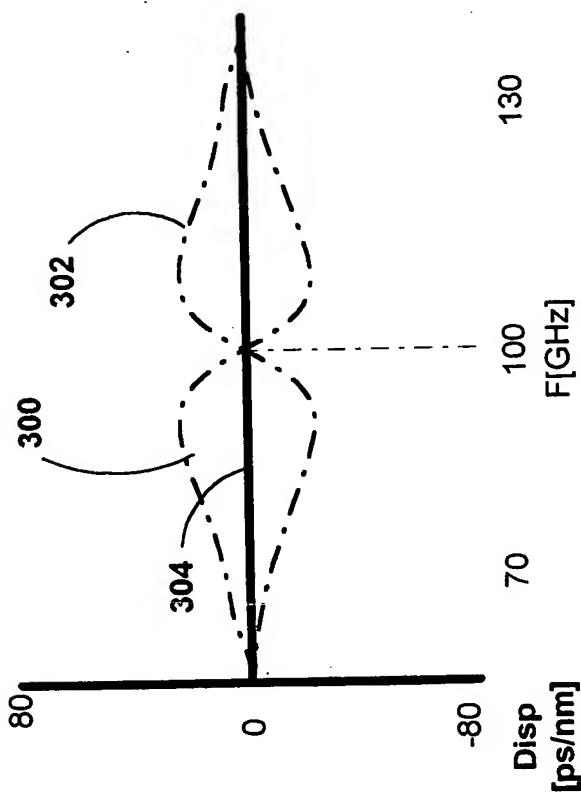


FIG. 3A

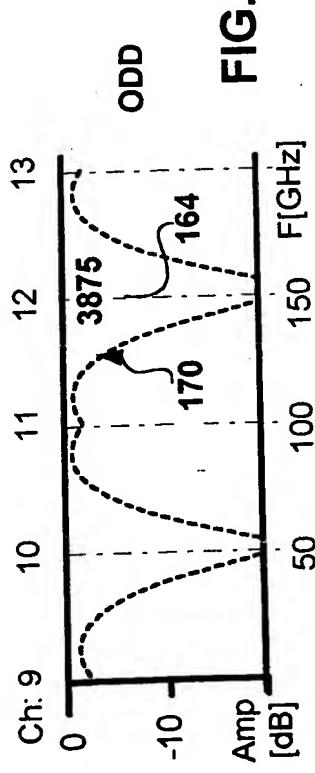
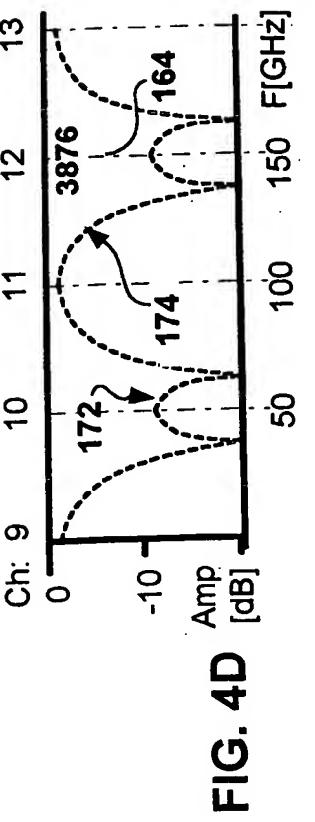
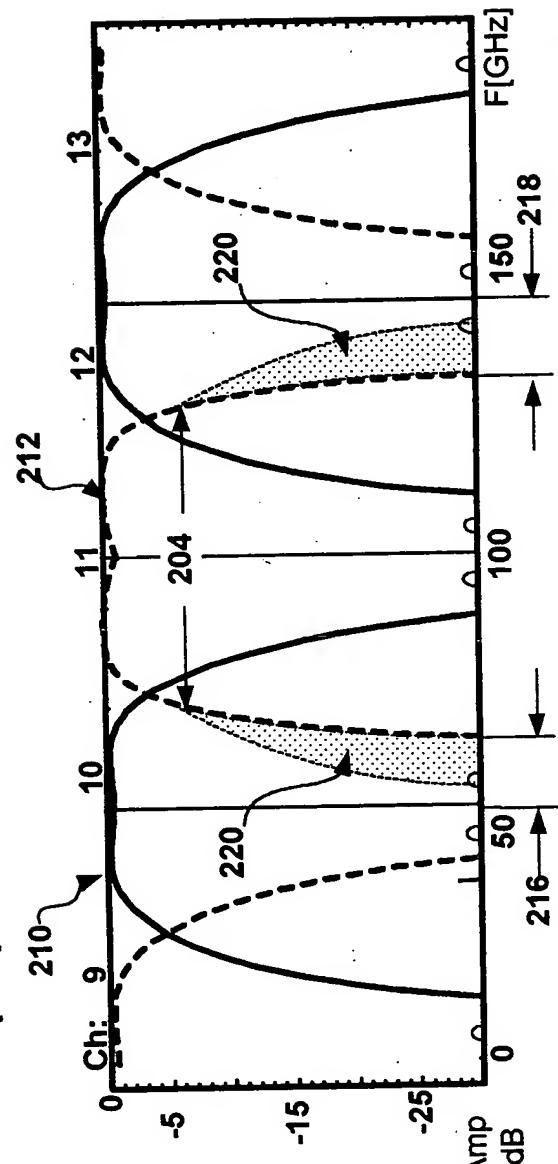
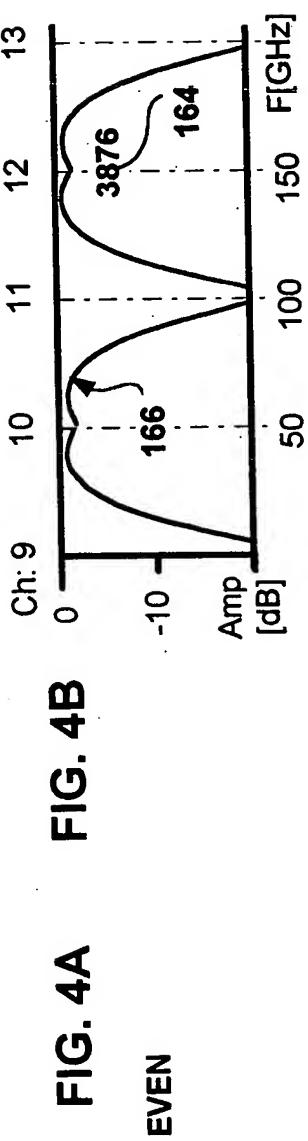
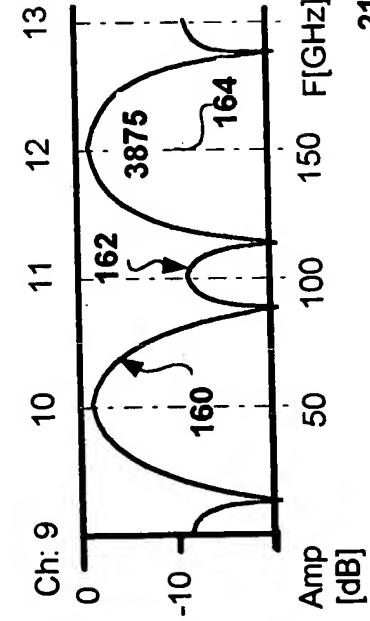


FIG. 5A

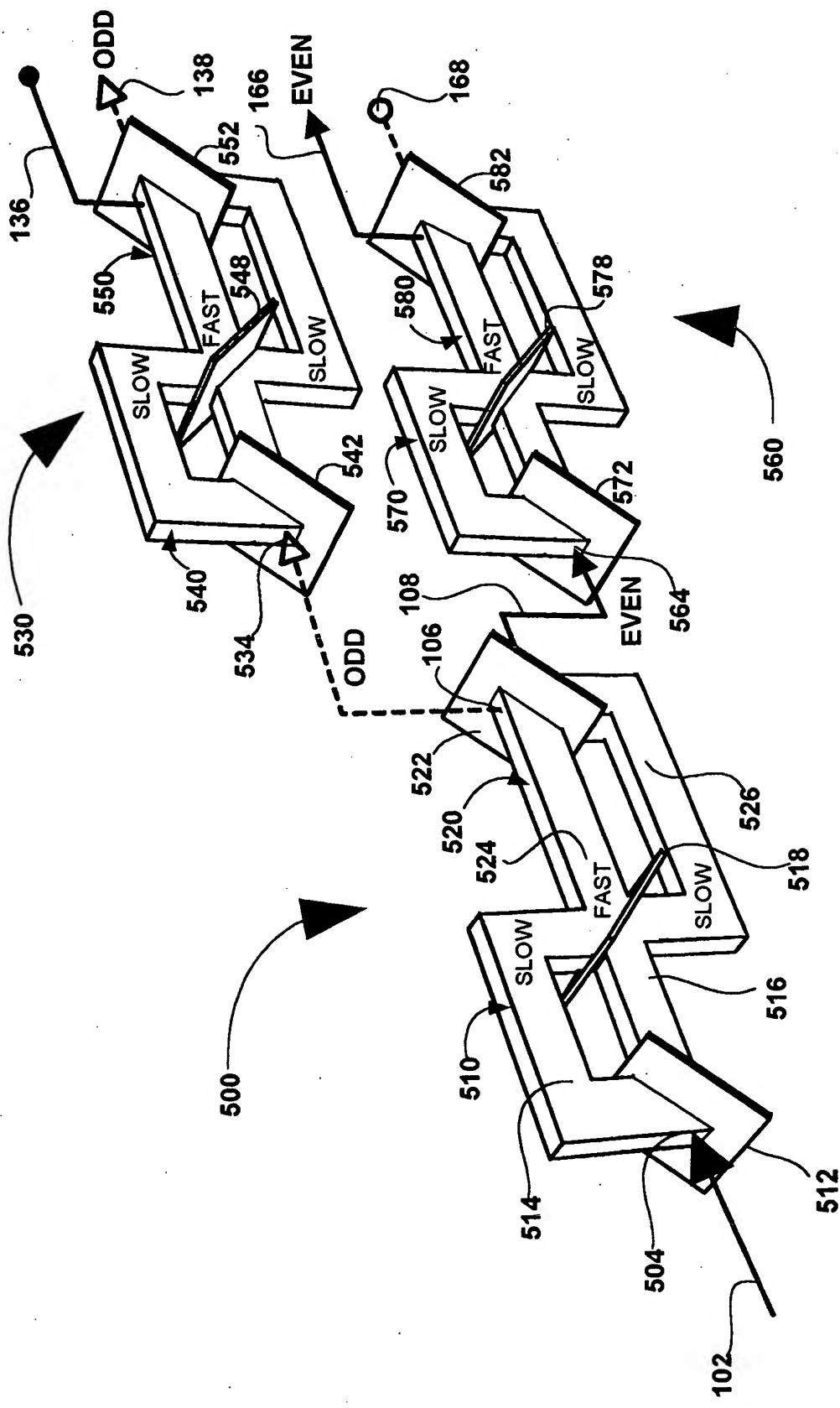


FIG. 5B

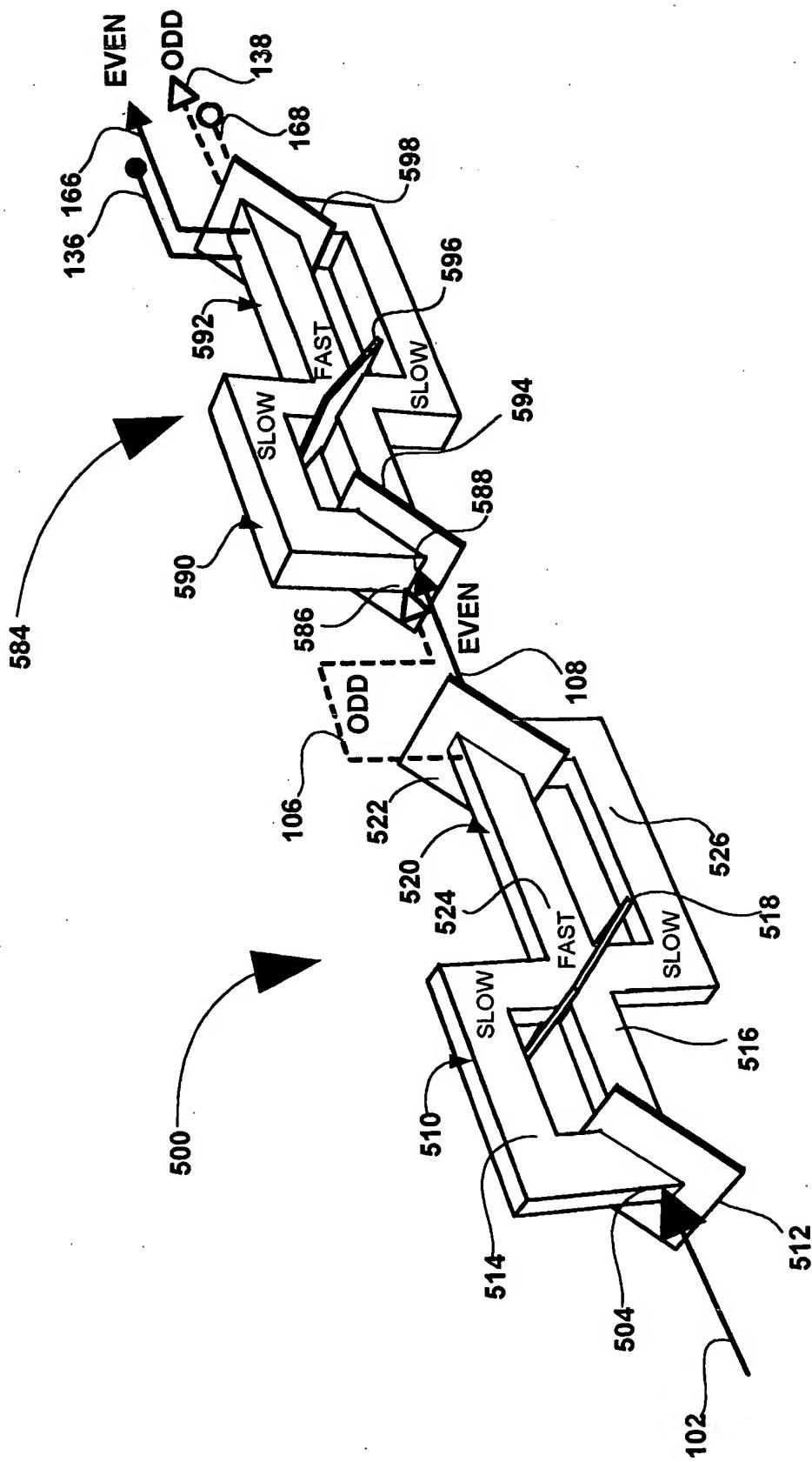
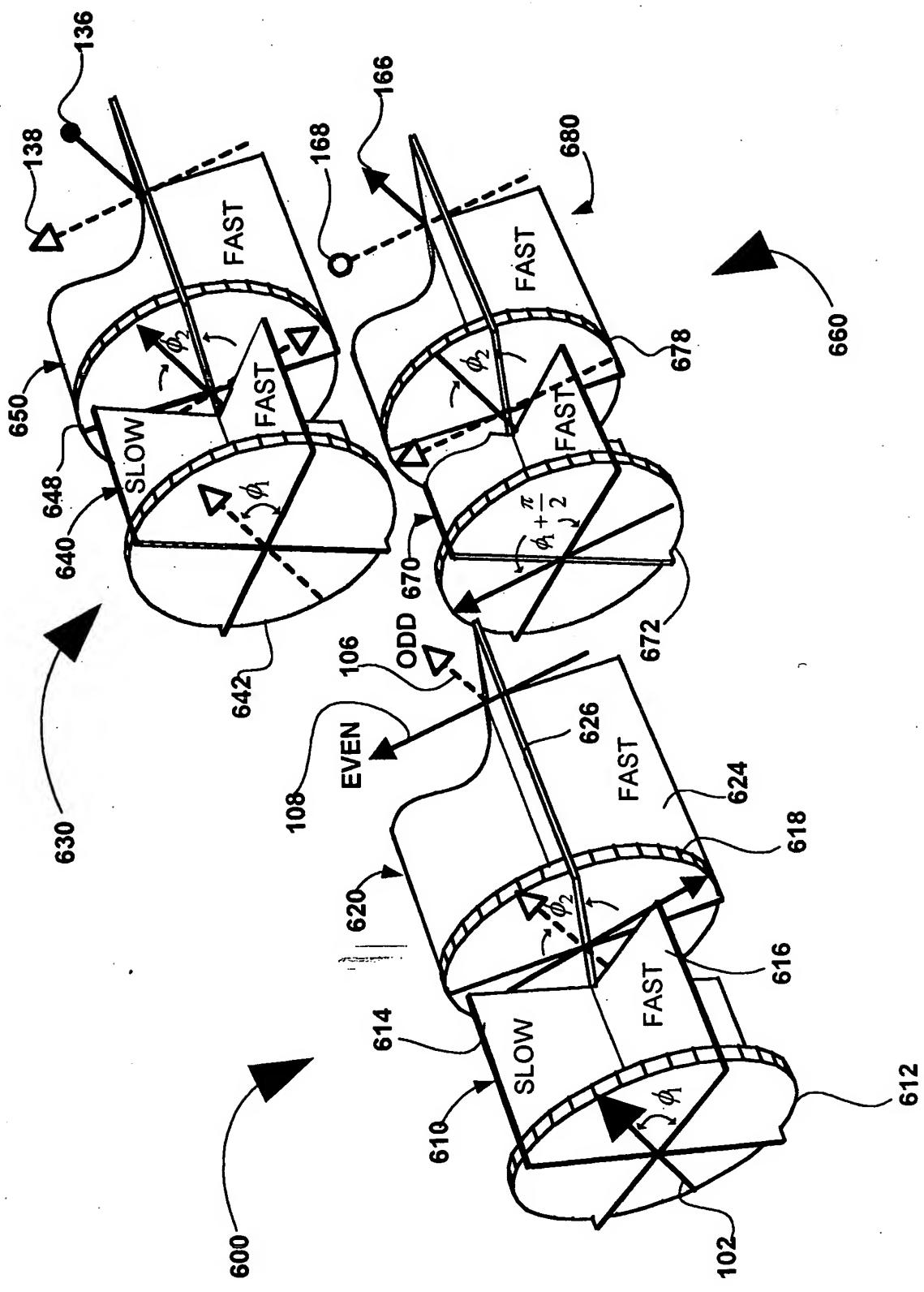


FIG. 6



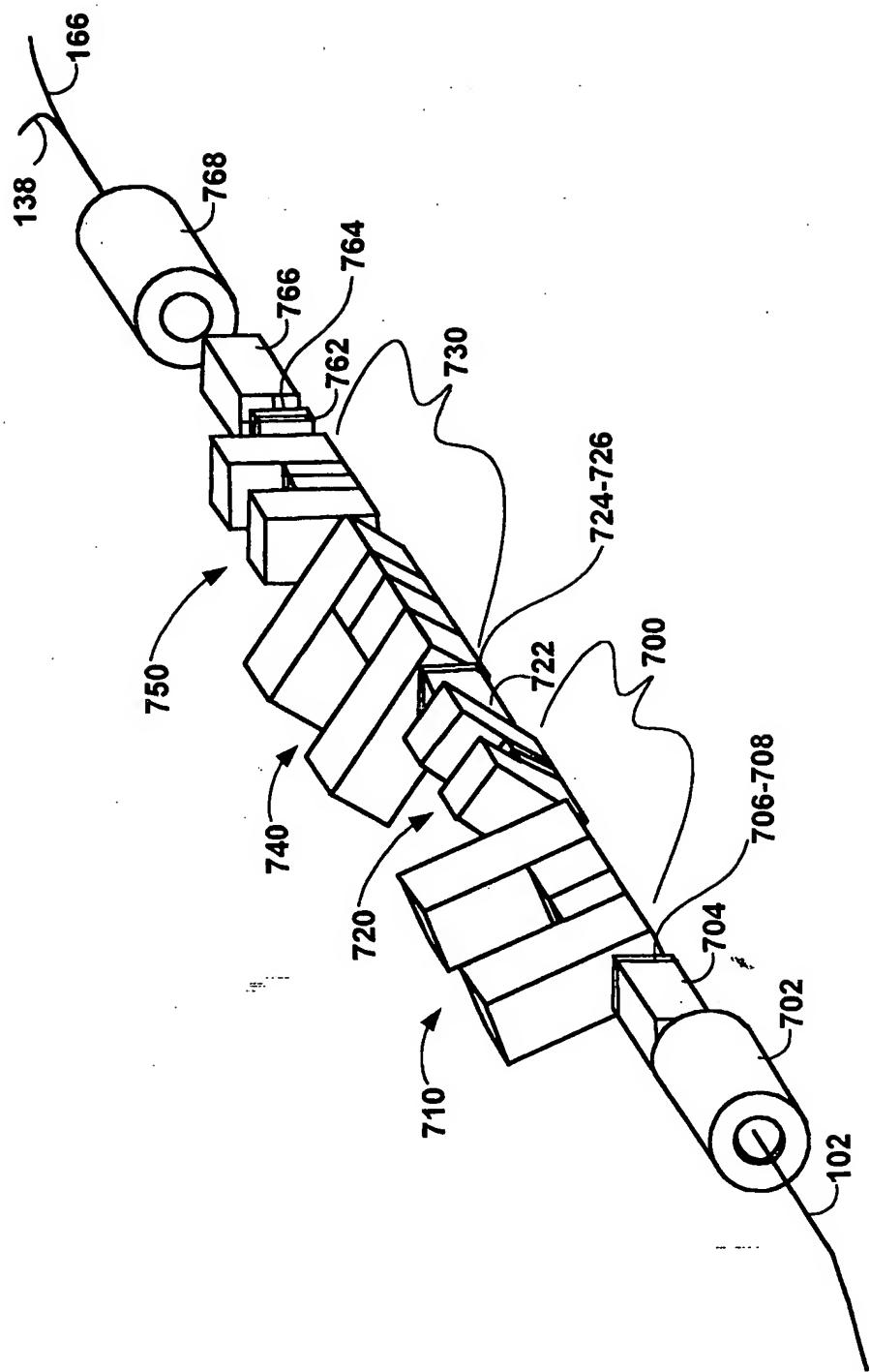


FIG. 7A

FIG. 7B

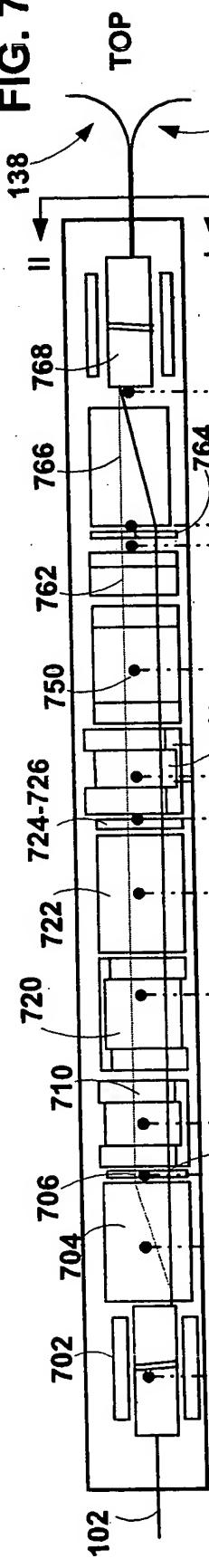
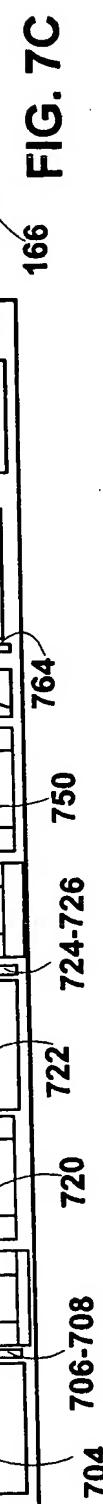
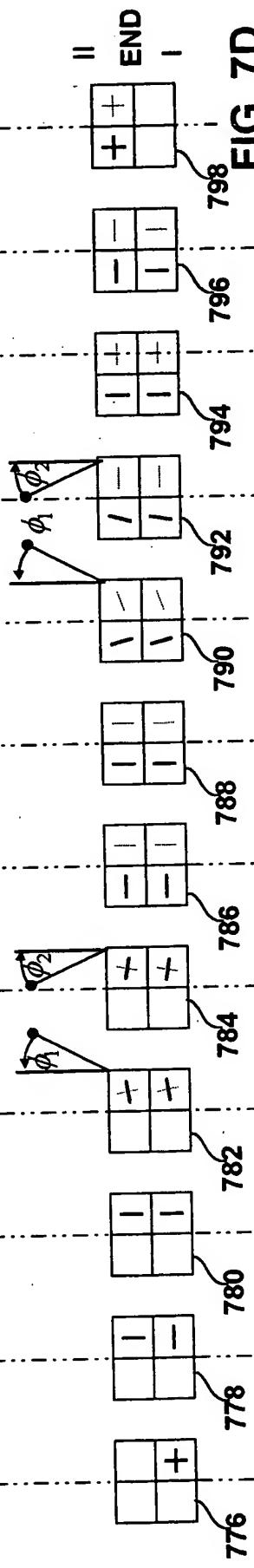
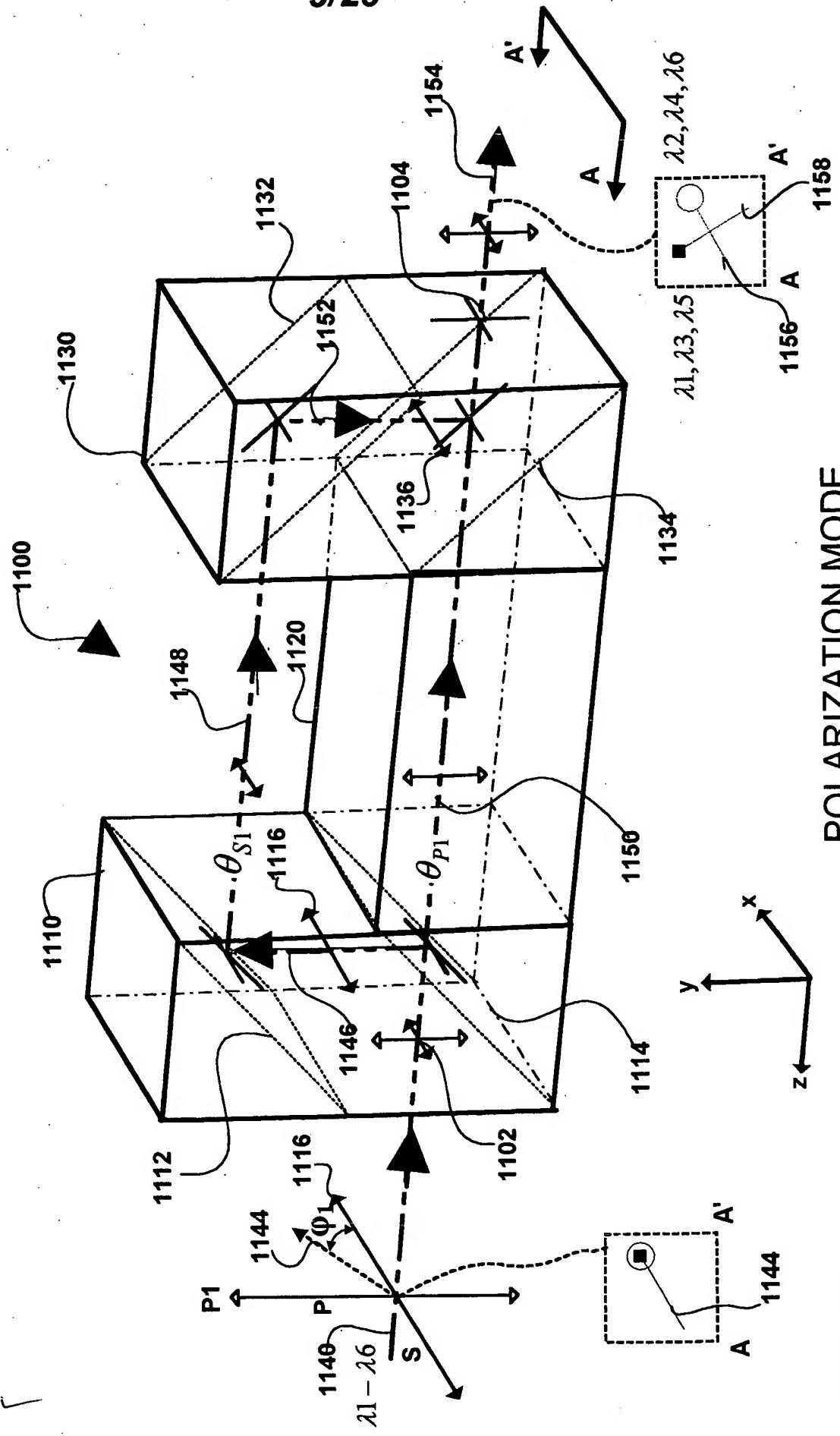


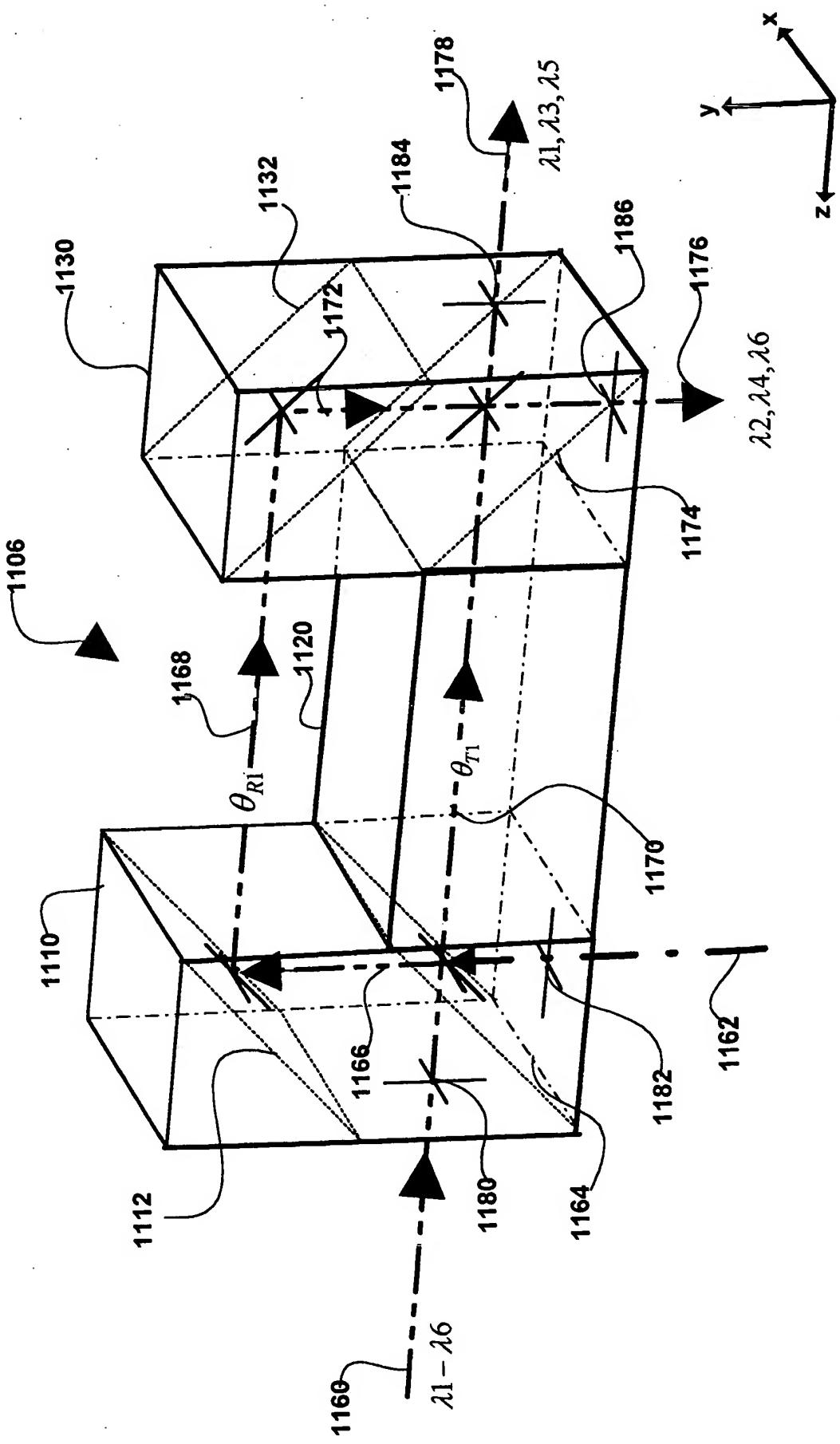
FIG. 7D





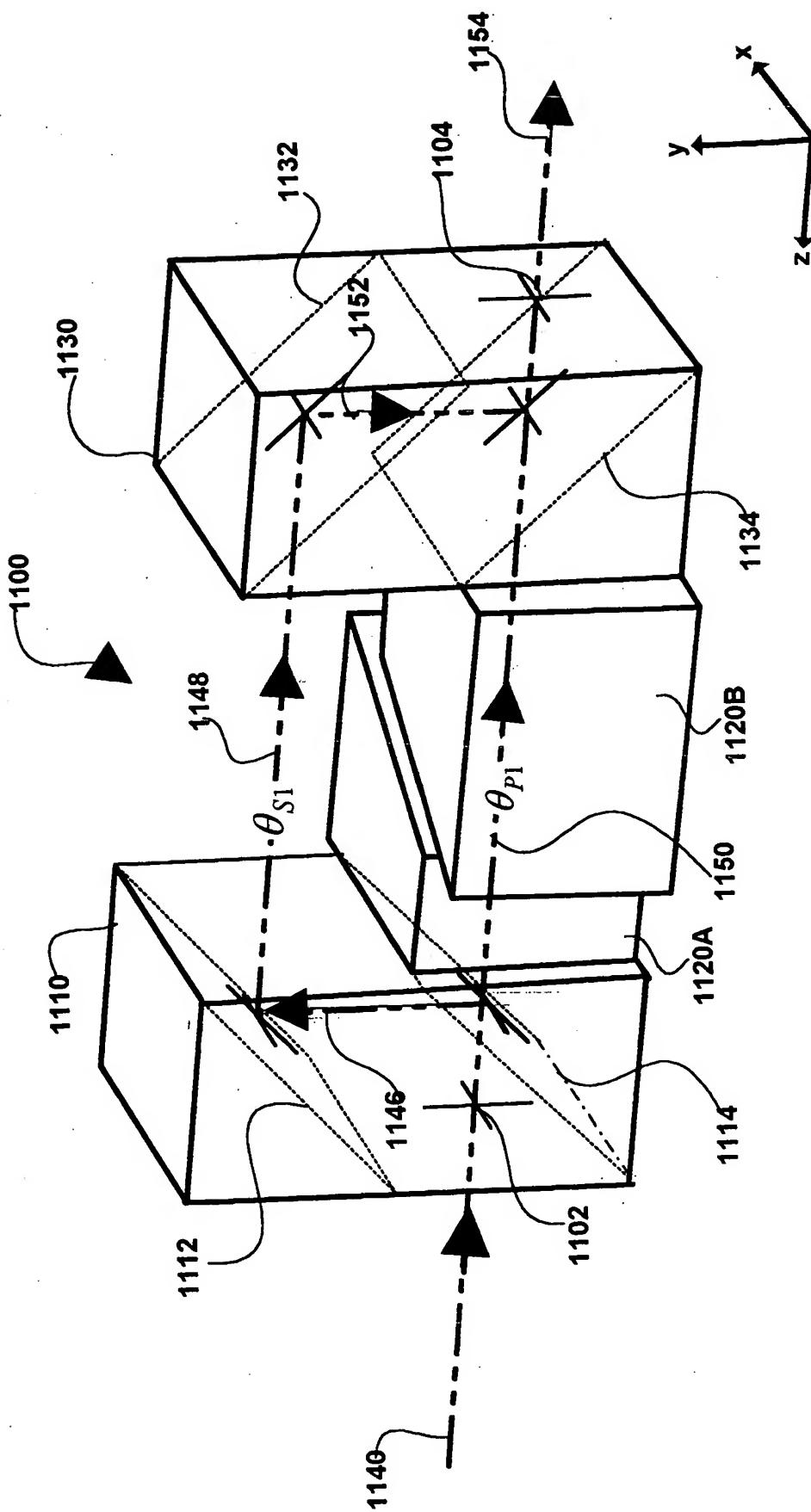
POLARIZATION MODE

FIG. 8A



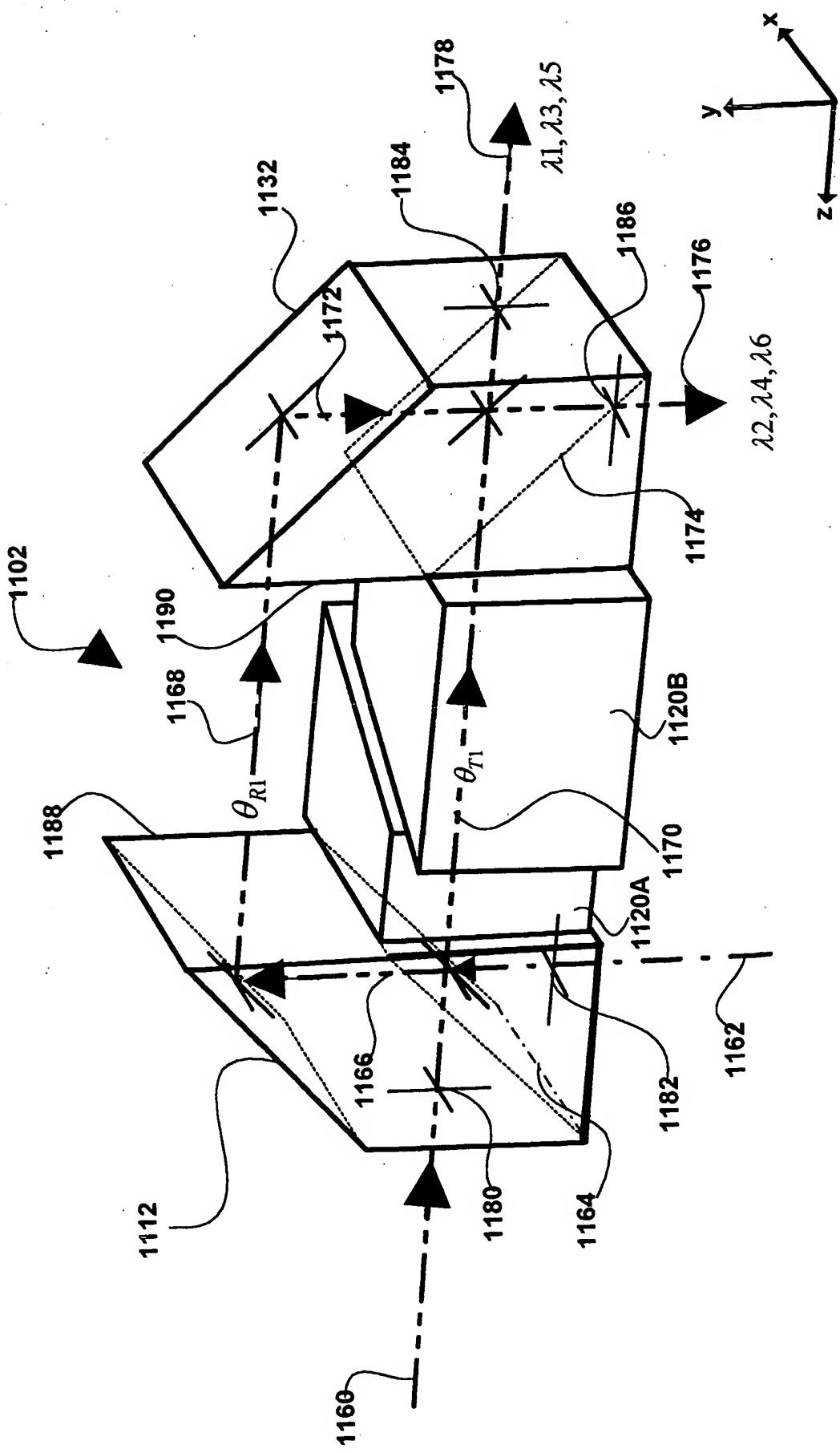
INTENSITY MODE

FIG. 8B



POLARIZATION MODE

FIG. 8C



INTENSITY MODE

FIG. 8D

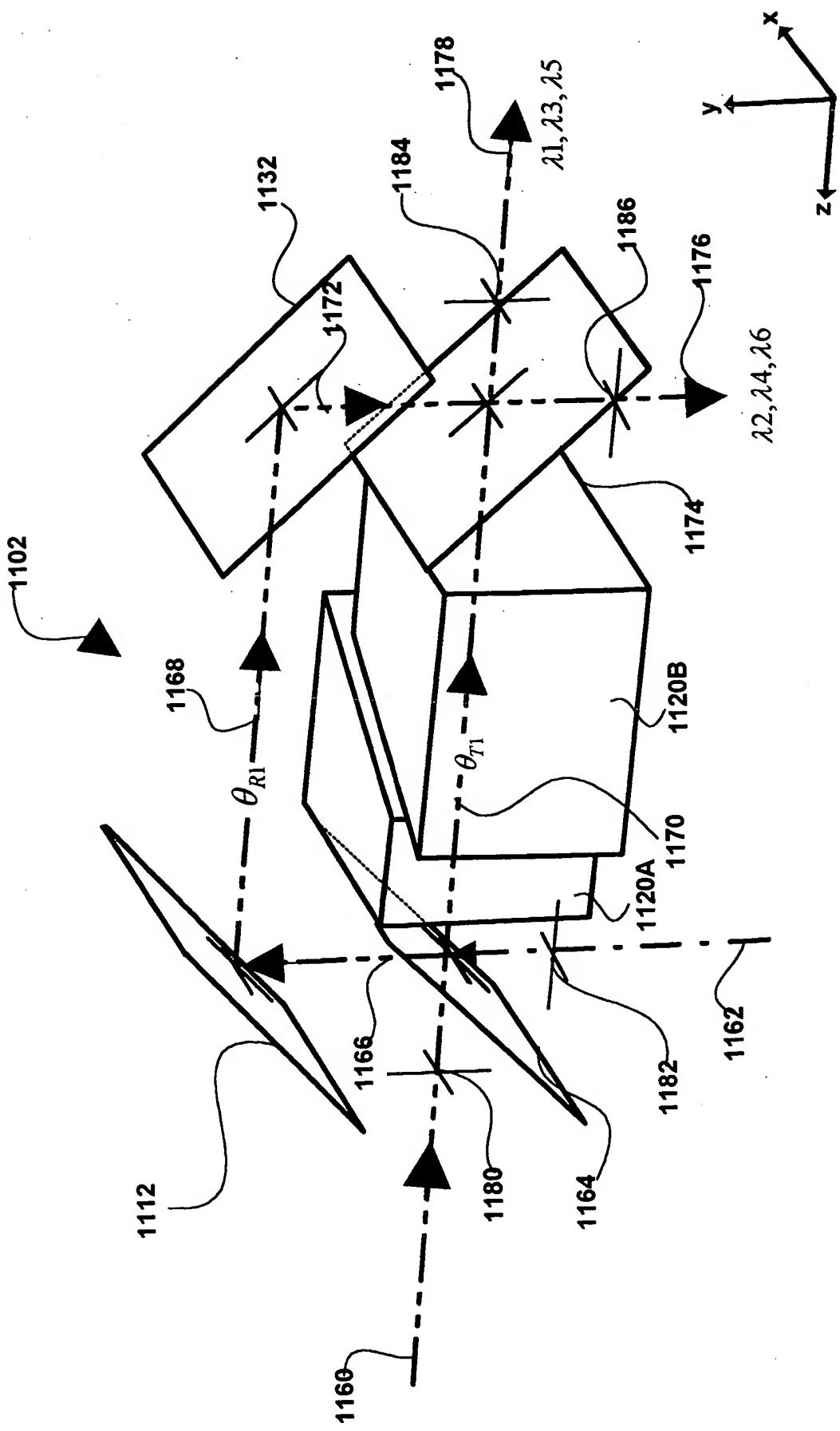


FIG. 8E

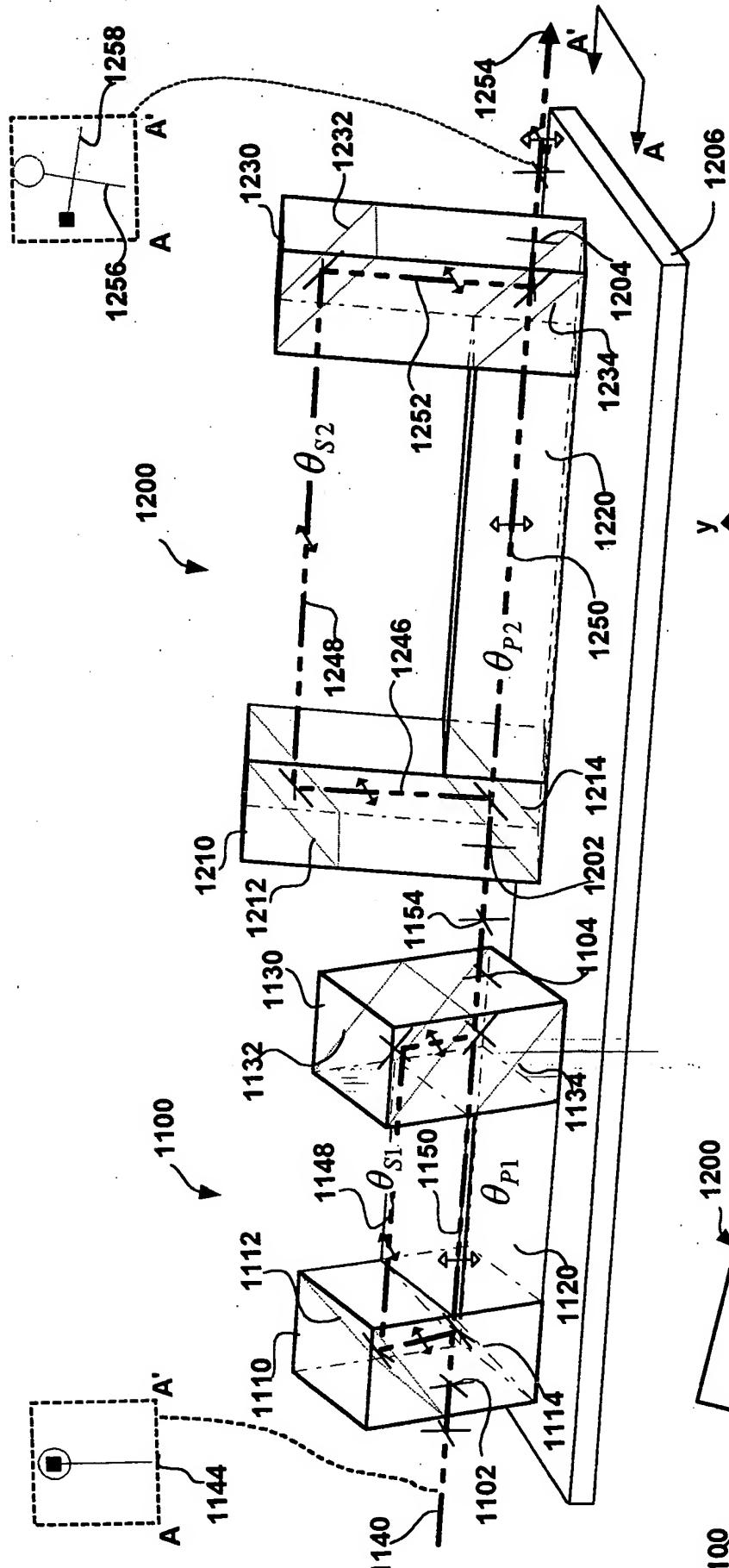


FIG. 9A

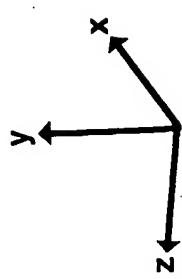
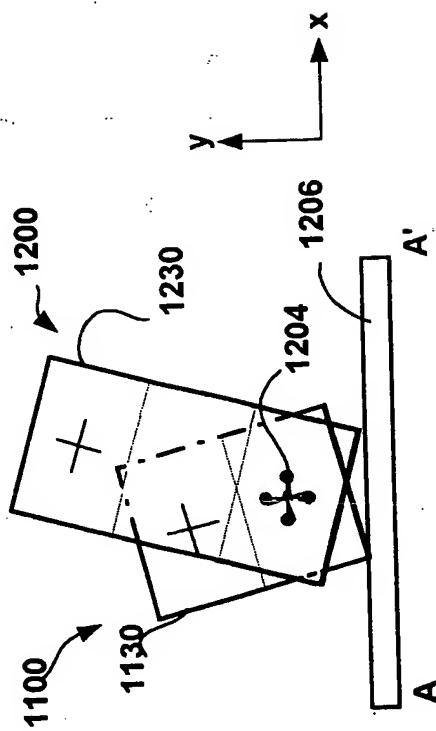


FIG. 9B



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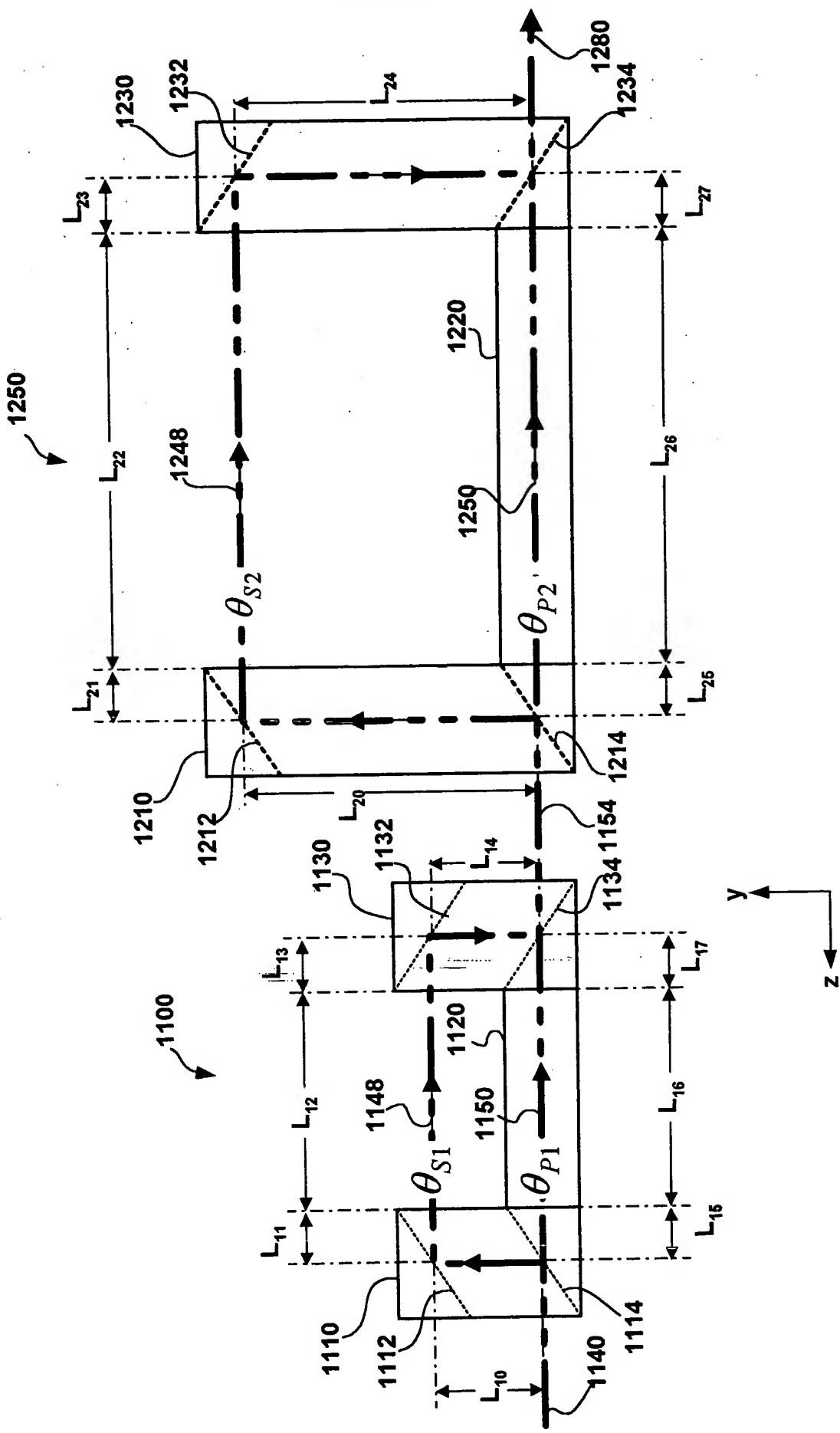
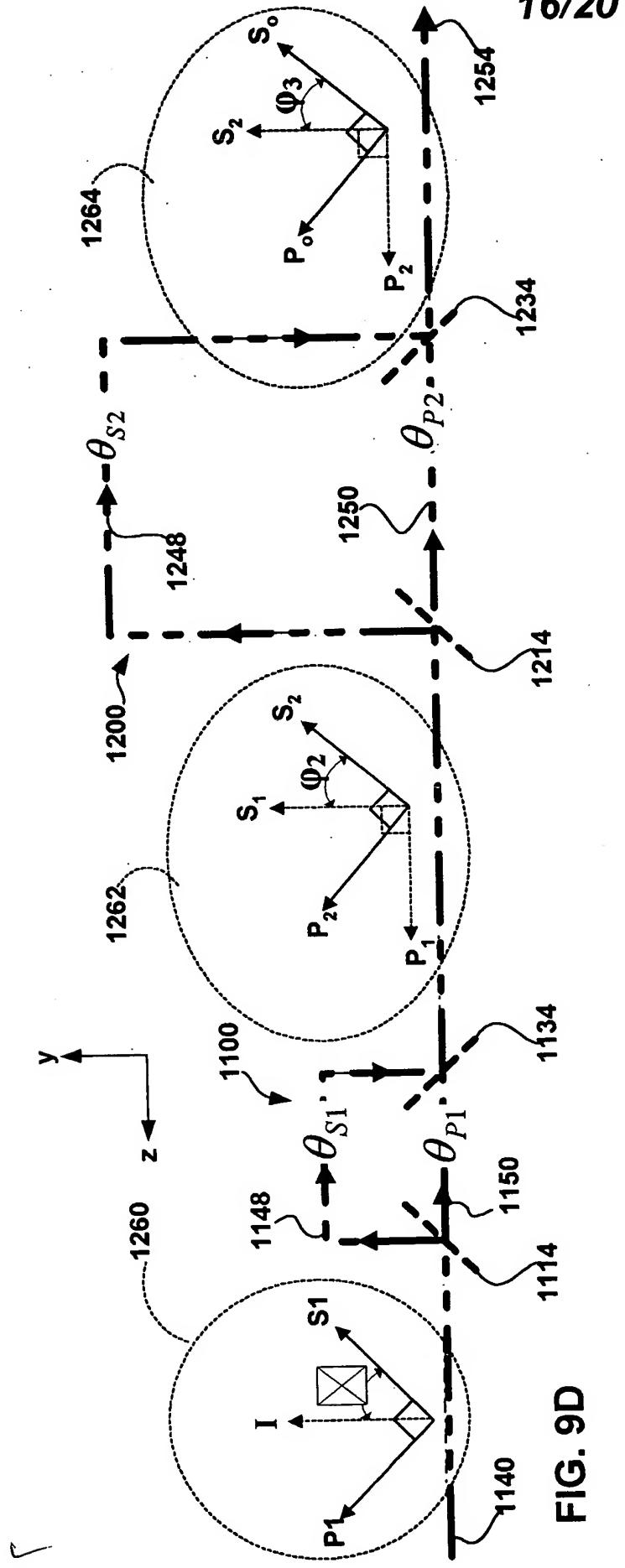


FIG. 9C



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$$\begin{cases}
 \text{Path 1} = \cos\phi_1 \bullet \cos\phi_2 \bullet \cos\phi_3 \bullet e^{i(\theta_{S1}+\theta_{S2})} & 1288 \\
 \text{Path 2} = \cos\phi_1 \bullet \sin\phi_2 \bullet -\sin\phi_3 \bullet e^{i(\theta_{S1}+\theta_{P2})} & 1290 \\
 \text{Path 3} = \sin\phi_1 \bullet -\sin\phi_2 \bullet \cos\phi_3 \bullet e^{i(\theta_{P1}+\theta_{S2})} & 1292 \\
 \text{Path 4} = \sin\phi_1 \bullet \cos\phi_2 \bullet -\sin\phi_3 \bullet e^{i(\theta_{P1}+\theta_{P2})} & 1294
 \end{cases}$$

1298

FIG. 9E

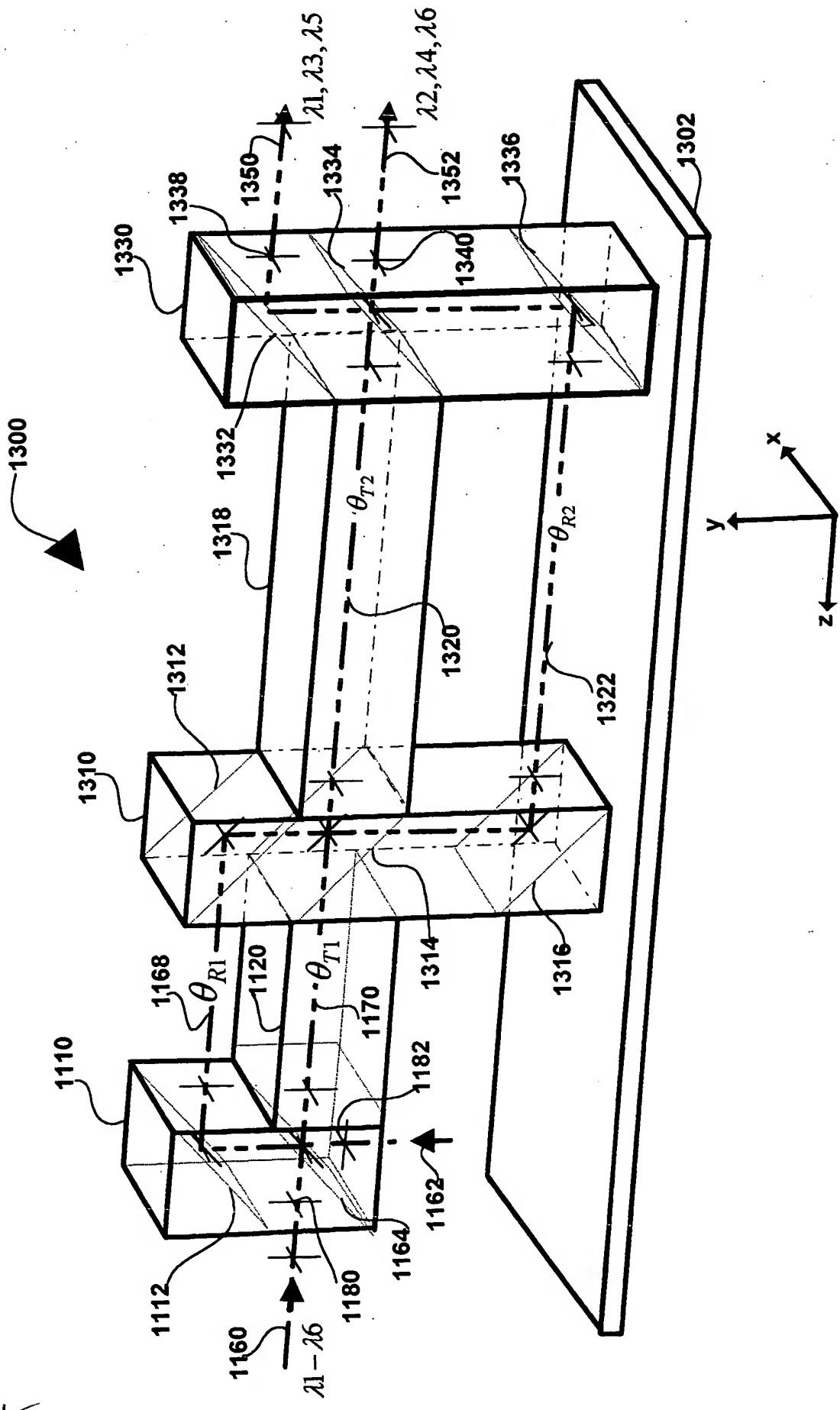


FIG. 10A

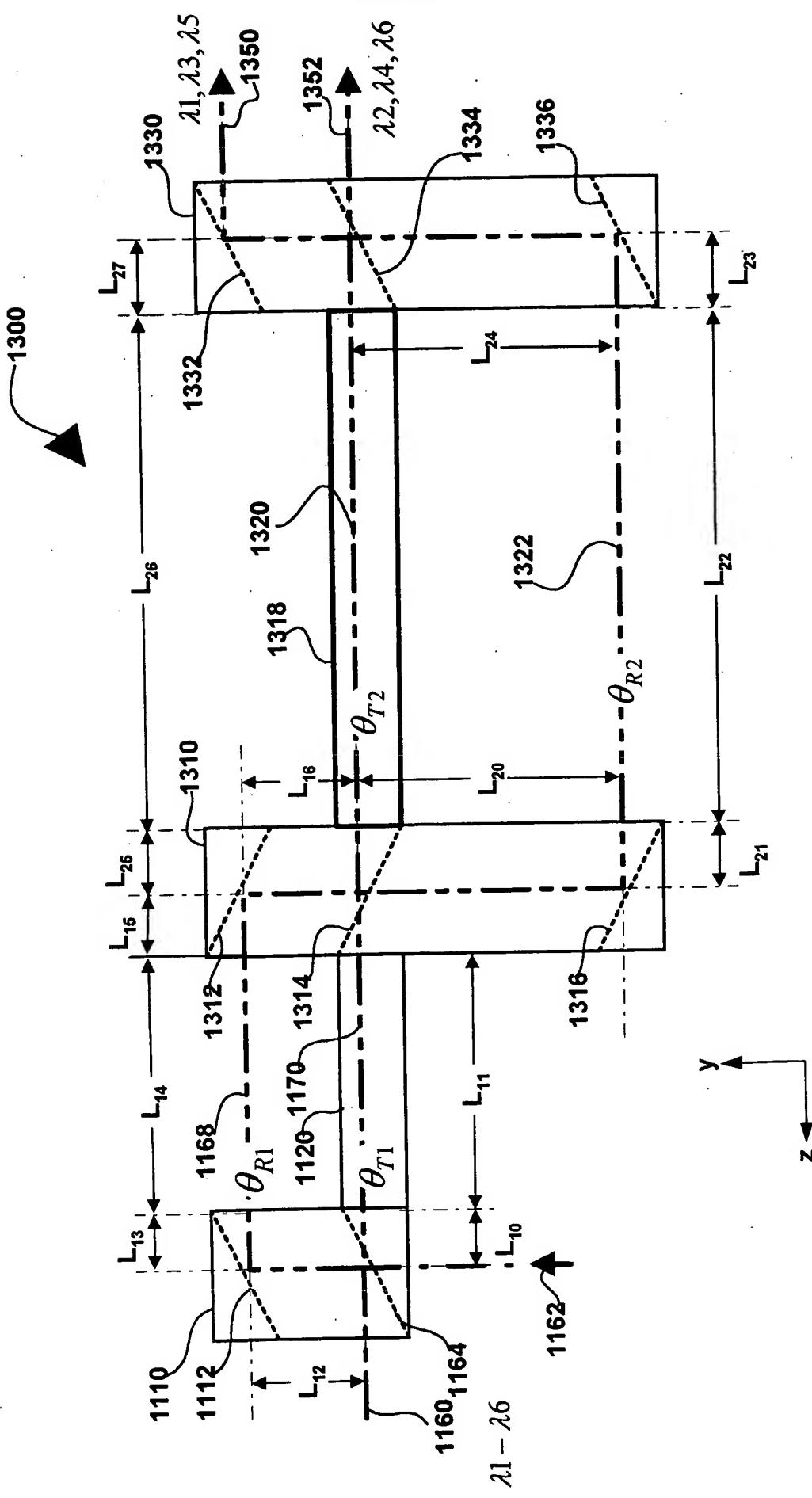


FIG. 10B

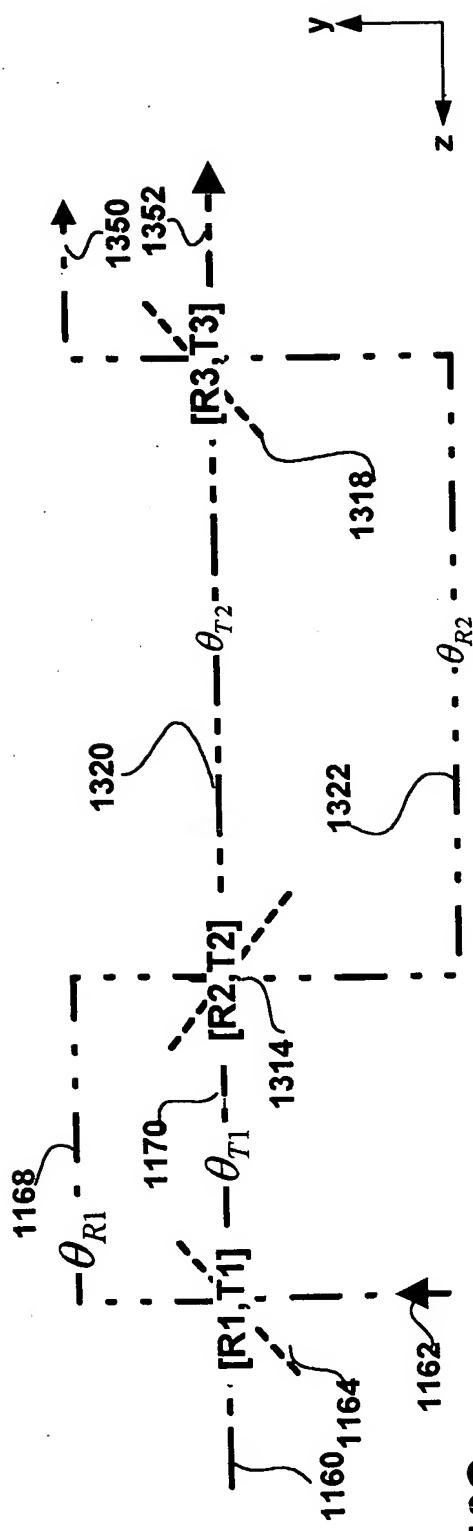


FIG. 10C

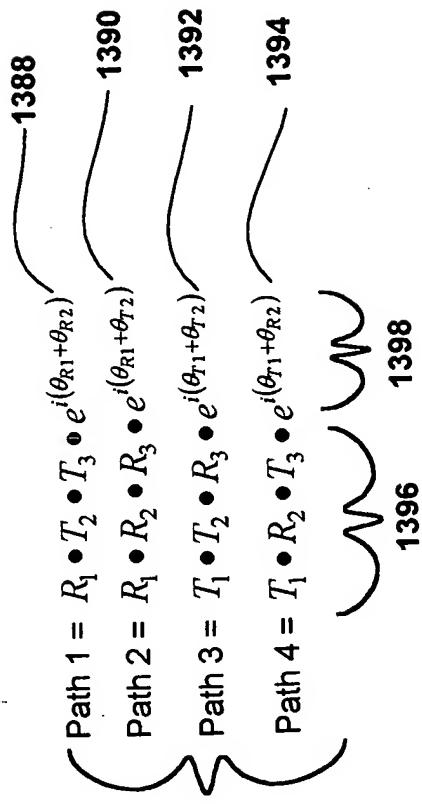


FIG. 10D

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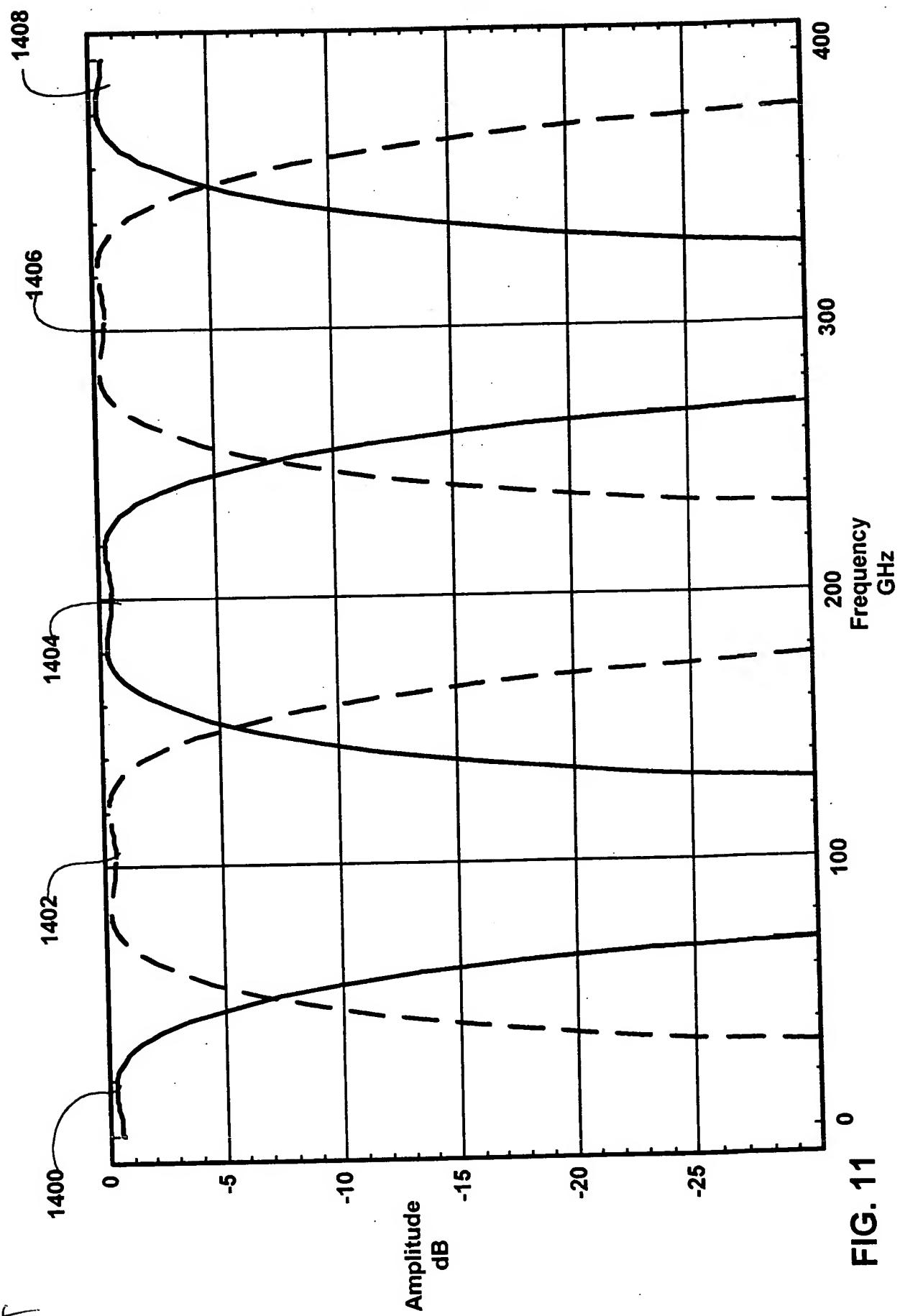


FIG. 11